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TECH CENTER 1600/2900

1600

## RAW SEQUENCE LISTING

DATE: 06/17/2003

PATENT APPLICATION: US/09/913,927D

TIME: 08:58:27

Input Set : A:\Seqlist.txt

Output Set: N:\CRF4\06172003\I913927D.raw

4 <110> APPLICANT: Ulrich Schubert  
 5 Peter Henklein  
 6 Victor Wray  
 8 <120> TITLE OF INVENTION: SYNTHETIC PEPTIDE OF REGULATORY VIRUS  
 9 PROTEIN R (VPR) OF HUMAN IMMUNODEFICIENCY VIRUS TYPE 1  
 10 (HIV-1) AND THE UTILIZATION THEREOF  
 13 <130> FILE REFERENCE: 151.2USW0  
 15 <140> CURRENT APPLICATION NUMBER: 09/913,927D  
 16 <141> CURRENT FILING DATE: 2002-01-14  
 18 <150> PRIOR APPLICATION NUMBER: PCT/DE00/00525  
 19 <151> PRIOR FILING DATE: 2002-02-19  
 21 <150> PRIOR APPLICATION NUMBER: DE 199 08 752.0  
 22 <151> PRIOR FILING DATE: 1999-02-19  
 24 <150> PRIOR APPLICATION NUMBER: DE 199 08 766.0  
 25 <151> PRIOR FILING DATE: 1999-02-19  
 27 <160> NUMBER OF SEQ ID NOS: 11  
 29 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
 31 <210> SEQ ID NO: 1  
 32 <211> LENGTH: 96  
 33 <212> TYPE: PRT  
 34 <213> ORGANISM: Artificial Sequence  
 36 <220> FEATURE:  
 37 <223> OTHER INFORMATION: Synthetic peptide of regulatory virus proteins R  
 38 (vpr) of human immunodeficiency virus type 1  
 39 (HIV-1)  
 41 <400> SEQUENCE: 1  
 42 Met Glu Gln Ala Pro Glu Asp Gln Gly Pro Gln Arg Glu Pro Tyr Asn  
 43 1 5 10 15  
 44 Glu Trp Thr Leu Glu Leu Leu Glu Glu Leu Lys Ser Glu Ala Val Arg  
 45 20 25 30  
 46 His Phe Pro Arg Ile Trp Leu His Asn Leu Gly Gln His Ile Tyr Glu  
 47 35 40 45  
 48 Thr Tyr Gly Asp Thr Trp Ala Gly Val Glu Ala Ile Ile Arg Ile Leu  
 49 50 55 60  
 50 Gln Gln Leu Leu Phe Ile His Phe Arg Ile Gly Cys Arg His Ser Arg  
 51 65 70 75 80  
 52 Ile Gly Val Thr Arg Gln Arg Arg Ala Arg Asn Gly Ala Ser Arg Ser  
 53 85 90 95  
 55 <210> SEQ ID NO: 2  
 56 <211> LENGTH: 47  
 57 <212> TYPE: PRT  
 58 <213> ORGANISM: Artificial Sequence  
 60 <220> FEATURE:

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61 <223> OTHER INFORMATION: Synthetic peptide of regulatory virus proteins R  
 62 (vpr) of human immunodeficiency virus type 1  
 63 (HIV-1)

65 &lt;400&gt; SEQUENCE: 2

66 Met Glu Gln Ala Pro Glu Asp Gln Gly Pro Gln Arg Glu Pro Tyr Asn

67 1 5 10 15

68 Glu Trp Thr Leu Glu Leu Leu Glu Leu Lys Ser Glu Ala Val Arg

69 20 25 30

70 His Phe Pro Arg Ile Trp Leu His Asn Leu Gly Gln His Ile Tyr

71 35 40 45

73 &lt;210&gt; SEQ ID NO: 3

74 &lt;211&gt; LENGTH: 49

75 &lt;212&gt; TYPE: PRT

76 &lt;213&gt; ORGANISM: Artificial Sequence

78 &lt;220&gt; FEATURE:

79 <223> OTHER INFORMATION: Synthetic peptide of regulatory virus proteins R  
 80 (vpr) of human immunodeficiency virus type 1

81 (HIV-1)

83 &lt;400&gt; SEQUENCE: 3

84 Glu Thr Tyr Gly Asp Thr Trp Ala Gly Val Glu Ala Ile Ile Arg Ile

85 1 5 10 15

86 Leu Gln Gln Leu Leu Phe Ile His Phe Arg Ile Gly Cys Arg His Ser

87 20 25 30

88 Arg Ile Gly Val Thr Arg Gln Arg Arg Ala Arg Asn Gly Ala Ser Arg

89 35 40 45

90 Ser

93 &lt;210&gt; SEQ ID NO: 4

94 &lt;211&gt; LENGTH: 15

95 &lt;212&gt; TYPE: PRT

96 &lt;213&gt; ORGANISM: Artificial Sequence

98 &lt;220&gt; FEATURE:

99 <223> OTHER INFORMATION: Synthetic peptide of regulatory virus proteins R  
 100 (vpr) of human immunodeficiency virus type 1

101 (HIV-1)

103 &lt;400&gt; SEQUENCE: 4

104 Gln Arg Glu Pro Tyr Asn Glu Trp Thr Leu Glu Leu Leu Glu Glu

105 1 5 10 15

107 &lt;210&gt; SEQ ID NO: 5

108 &lt;211&gt; LENGTH: 15

109 &lt;212&gt; TYPE: PRT

110 &lt;213&gt; ORGANISM: Artificial Sequence

112 &lt;220&gt; FEATURE:

113 <223> OTHER INFORMATION: Synthetic peptide of regulatory virus proteins R  
 114 (vpr) of human immunodeficiency virus type 1

115 (HIV-1)

117 &lt;400&gt; SEQUENCE: 5

118 Asn Leu Gly Gln His Ile Tyr Glu Thr Tyr Gly Asp Thr Trp Ala

119 1 5 10 15

121 &lt;210&gt; SEQ ID NO: 6

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123 <212> TYPE: PRT
124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: Synthetic peptide of regulatory virus proteins R
128     (vpr) of human immunodeficiency virus type 1
129     (HIV-1)
131 <400> SEQUENCE: 6
132 Ile Tyr Glu Thr Tyr Gly Asp Thr Trp Ala Gly Val Glu Ala Ile
133 1      5      10      15
135 <210> SEQ ID NO: 7
136 <211> LENGTH: 15
137 <212> TYPE: PRT
138 <213> ORGANISM: Artificial Sequence
140 <220> FEATURE:
141 <223> OTHER INFORMATION: Synthetic peptide of regulatory virus proteins R
142     (vpr) of human immunodeficiency virus type 1
143     (HIV-1)
145 <400> SEQUENCE: 7
146 Gly Val Glu Ala Ile Ile Arg Ile Leu Gln Gln Leu Leu Phe Ile
147 1      5      10      15
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150 <211> LENGTH: 20
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152 <213> ORGANISM: Artificial Sequence
154 <220> FEATURE:
155 <223> OTHER INFORMATION: Synthetic peptide of regulatory virus proteins R
156     (vpr) of human immunodeficiency virus type 1
157     (HIV-1)
159 <400> SEQUENCE: 8
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161 1      5      10      15
162 Glu Trp Thr Leu
163      20
165 <210> SEQ ID NO: 9
166 <211> LENGTH: 20
167 <212> TYPE: PRT
168 <213> ORGANISM: Artificial Sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: Synthetic peptide of regulatory virus proteins R
172     (vpr) of human immunodeficiency virus type 1
173     (HIV-1)
175 <400> SEQUENCE: 9
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177 1      5      10      15
178 Ile Trp Leu His
179      20
181 <210> SEQ ID NO: 10
182 <211> LENGTH: 15

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183 <212> TYPE: PRT  
184 <213> ORGANISM: Artificial Sequence  
186 <220> FEATURE:  
187 <223> OTHER INFORMATION: sVpr66-80  
189 <400> SEQUENCE: 10  
190 Gln Leu Leu Phe Ile His Phe Arg Ile Gly Cys Arg His Ser Arg  
191 1 5 10 15  
193 <210> SEQ ID NO: 11  
194 <211> LENGTH: 21  
195 <212> TYPE: PRT  
196 <213> ORGANISM: Artificial Sequence  
198 <220> FEATURE:  
199 <223> OTHER INFORMATION: sVpr76-96  
201 <400> SEQUENCE: 11  
202 Cys Arg His Ser Arg Ile Gly Val Thr Arg Gln Arg Arg Ala Arg Asn  
203 1 5 10 15  
204 Gly Ala Ser Arg Ser  
205 20

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VERIFICATION SUMMARY

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